



Tennessee Department of Environment and Conservation,
Division of Water Resources
William R. Snodgrass-Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor, Nashville, TN 37243
(615) 532-0625

**CONCENTRATED ANIMAL FEEDING OPERATION (CAFO)
STATE OPERATING PERMIT (SOP)
NOTICE OF INTENT (NOI)**

Type of permit you are requesting: ☒ SOPCD0000 (designed to discharge) ☐ SOPC00000 (no discharge) ☐ Unknown, please advise
Application type: ☐ New Permit ☐ Permit Reissuance ☐ Permit Modification
If this NOI is submitted for Permit Modification or Reissuance provide the existing permit tracking number: _____

OPERATION IDENTIFICATION

Operation Name: <u>Charles Luke Farm</u>		County: <u>Bradley</u>
Operation Location/ Physical Address: <u>171 Carter Rd se Cleveland TN 37323</u>		Latitude: <u>35.059400</u> Longitude: <u>84.8020760</u>
Name and distance to nearest receiving water(s):		
If any other State or Federal Water/Wastewater Permits have been obtained for this site, list those permit numbers:		
Animal Type:	<input checked="" type="checkbox"/> Poultry <input type="checkbox"/> Swine <input type="checkbox"/> Dairy <input type="checkbox"/> Beef <input type="checkbox"/> Other <u>Broiler type</u>	
Number of Animals: <u>60,000</u>	Number of Barns: <u>2</u>	Name of Integrator: <u>Pilgrims Pride</u>
Type of Animal Waste Management: (check all that apply)	<input type="checkbox"/> Dry <input type="checkbox"/> Liquid <input type="checkbox"/> Liquid, Closed System (i.e. covered tank, under barn pit, etc.)	
Attach the NMP <input type="checkbox"/> NMP Attached	Attach the closure plan <input type="checkbox"/> Closure Plan Attached	Attach a topographic map <input type="checkbox"/> Map Attached

PERMITTEE IDENTIFICATION

Official Contact (applicant): <u>Lakonda Sneed</u>		Title or Position: <u>Owner</u>		<input type="checkbox"/> Correspondence <input type="checkbox"/> Invoice
Mailing Address: <u>171 Carter Rd se</u>		City: <u>Cleveland</u>	State: <u>TN</u> Zip: <u>37323</u>	
Phone number(s): <u>423 310-0156</u>		E-mail: <u>larondas2@att.net</u>		
Optional Contact: <u>Nathan Sneed</u>		Title or Position: <u>Owner</u>		<input type="checkbox"/> Correspondence <input type="checkbox"/> Invoice
Address: <u>171 Carter Rd se</u>		City: <u>Cleveland</u>	State: <u>TN</u> Zip: <u>37323</u>	
Phone number(s): <u>423 284-9159</u>		E-mail:		

APPLICATION CERTIFICATION AND SIGNATURE (must be signed in accordance with the requirements of Rule 0400-40-05-.14)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and title: print or type Lakonda Sneed owner Signature Lakonda Sneed Date 7-20-2015

STATE USE ONLY

Received Date	Reviewer	EFO	T & E Aquatic Fauna	Tracking No.
	Impaired Receiving Stream	High Quality Water	RECEIVED JUL 28 2015	NOC Date

Charles Luke Farm
Facility Name

Declarations to Nutrient Management Plan:

By my signature below, I affirm that I have read, understand, and will comply with the following stipulations from Tennessee's CAFO regulations that apply to my CAFO operation:

- 1) All animals in confinement are prevented from coming in direct contact with waters of the state.
- 2) All chemicals and other contaminants handled on-site are not disposed of in any manure, litter, process wastewater, or storm water storage or treatment system unless specifically designed to treat such chemicals and other contaminants.
- 3) Pesticide-contaminated waters will be prevented from discharging into waste retention structures. Waste from pest control and from facilities used to manage potentially hazardous or toxic chemicals shall be handled and disposed of in a manner that will prevent pollutants from entering waste retention structures or waters of the state.
- 4) Chemicals, manure/litter, and process wastewater will be managed to prevent spills. Spill clean-up plans will be developed and any equipment needed for spill clean-up will be available to facility personnel.
- 5) All sampling of soil and manure/litter is conducted according to protocols developed by UT Extension.
- 6) All records outlined in the permit that I am applying for will be maintained and available on-site.
- 7) Any confinement buildings, waste/wastewater handling or treatment systems, lagoons, holding ponds, and any other agricultural waste containment/treatment structures constructed or modified after April 13, 2006, are or will be located in accordance with NRCS Conservation Practice Standard 313.
- 8) A copy of the most recent Nutrient Management Plan will be kept as part of the farm records and will be maintained and implemented as written.
- 9) If applicable, all waste directed to under floor pits shall be composed entirely of wastewater (i.e. washwater and animal waste).
- 10) The Tennessee Department of Environment and Conservation Division of Water Resources will be notified of any significant wildlife mortalities near retention ponds or following any land application of animal wastes to fields.
- 11) All employees involved in work activities that relate to permit compliance will receive regular training on proper operation and maintenance (O&M) of the facility and waste disposal. Training shall include appropriate topics, such as land application of wastes, good housekeeping and material management practices, proper O&M of the facility, record keeping, and spill response and clean up. The periodic scheduled dates for such training shall be identified in the current Nutrient Management Plan.
- 12) There shall be no land application of nutrients within 24 hours of a precipitation event that may cause runoff. The operator shall not land apply nutrients to frozen, flooded, or saturated soils.

Sakenda Sweet
Signature of CAFO Owner/Operator

7-20-2015
Date

RECEIVED

JUL 28 2015

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

1. Farmer/ Producer Information

Is ALL litter removed from your farm (i.e. you not apply litter on your land)?*

*If the answer is "No," do not complete this form.

Yes	No
Please circle one	

First Name: Nathan + LaRonda Sneed

Last Name: Sneed

Farm/ Operation Name: Charles Luke Farm

Tennessee County: Bradley

2. Volumes and Calculations

Poultry Type:

Broiler	Pullet	Layer
circle the type(s)		

Number of birds per house per grow-out:

27,500

Number of Houses:

2

Number of Grow-Outs / Year:

6.5

Average Weight of Litter Produced (lbs.)/ Bird / Grow-Out (see Table at right or use your farm average if known)

2.1

The amount of litter removed from a poultry house will vary depending on the litter moisture content, type and size of birds, and length of time birds are kept in house. Below is a Table summarized from the NRCS Poultry System Calculator V10.0 to assist in placing the litter amount produced per bird and assist in litter calculations.

Type of Bird	Market/ Mature Weight (lbs)	Avg. Weight of Litter Produced (lbs)/ Bird / Grow-Out
Broilers	small (3.8 - 5.8)	2.1
	large (5.9 - 7+)	2.4
	Layer	8
Pullet	5.5	3

Take **Bolded** Letters in **Key** Column Above and Below to Assist in Calculating Values Below

Number of Birds per Grow-Out = $A \times B =$ 55,000 up to 60,000

Number of Birds Example: If A = 22,000 and B = 2 and C = 5.5 then:

22,000 X 2 = 44,000 number of birds

Number of Birds per Year = $A \times B \times C =$ 357,500

Number of Birds per Year Example: If A = 22,000 and B = 2 and C = 5.5 then:

22,000 x 2 x 5.5 = 242,000 number of birds per year

Total Tons of Litter Produced per Year on the Farm = $E \times D / 2,000 =$ 254

Tons of Litter Produced Example: If E = 242,000 and D = 2.1 lbs. then:

242,000 x 2.1 lbs = 508,200 lbs. / 2,000 = 254 Tons

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

2. Litter Handling and Storage

Litter Storage Capacity

Storage Capacity within Poultry Houses (cu ft) 16,007 **No. of Houses** 2
 Length of poultry house (ft) X Width of poultry house (ft) X Height of litter (ft) = cubic feet of storage

Total capacity within poultry barns (cu ft) X number of barns. 13,334 cu ft

Storage Capacity within Litter Sheds (cu ft) 1200 **No. of Sheds** 1
 Length of litter shed (ft) X Width of litter shed (ft) X Height of litter (ft) = cubic feet of storage

Total capacity within litter storage sheds (cu ft) X number of sheds 1200 cu ft

Storage Capacity of Other Storage Areas, if Applicable (cu ft)

Total Litter Storage Capacity Onsite (A + B + C) 20,564 cu ft

Litter Contents from Manure Analysis (as is basis)*

* Manure analyses will be performed annually, and the results will be provided to all parties removing litter from my farm or operation.

Laboratory Name	House	Date of Analysis	Total N	P ₂ O ₅ ^a	K ₂ O ^b	Units
Waters Ag		8-18-14	2.56	1.94	2.61	lbs./Ton
						lbs./Ton
						lbs./Ton
						lbs./Ton

*** Attach laboratory results. If a new facility, provide the source of the estimates used.***

Notes:

N = Nitrogen

P₂O₅ = Phosphorus Oxide

K₂O = Potassium Oxide

^aIf Phosphorus is expressed in analyses as Phosphorus (P), simply multiple P lbs. X 2.3 to convert to P₂O₅.

^bIf Potassium is expressed in analyses as Potassium (K), simply multiple K lbs. X 1.2 to convert to K₂O.

Mortality Management

Dead birds will be disposed of according to State and local laws in a way that does not adversely affect groundwater or create public health concern. All mortalities will be disposed of using:

Composting	Incineration	<u>Rendering*</u>	Other:
------------	--------------	-------------------	--------

please circle one

*If rendering, include the name and address of renderer.:

American Protein

RECEIVED

JUL 28 2015

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

3. Best Management Practices/Conservation Practices

Best Management Practices/Conservation Practices for Production Areas

The following site-specific Best Management Practices (BMPs) and conservation practices will be implemented to minimize environmental impacts in production areas (please indicate all that apply). The design and implementation of the BMPs will meet minimum standards set in the NRCS Field Office Practice Standard and/or the NRCS Animal Waste Handbook.

- ☒ • Buffer strips/filter strips
- ☒ • Silt fencing, riprap, stone gabions, or other structural erosion control
- ☒ • Maintain roads and heavy traffic areas
- ☒ • Proper manure/litter storage (i.e. under cover, prevents runoff)
- ☒ • Balanced diet/ration to prevent excessive nutrients in manure/litter
- ☒ • Regular inspections and maintenance of structures and equipment
- ☒ • General housekeeping (i.e. cleanup of waste/litter spills during transfers)
- _____ • Other (please describe in detail below, or attach additional pages as needed):

Diversion of Clean Water

I certify that:

- Uncontaminated stormwater runoff shall be diverted away from manure, litter, process wastewater, waste
- Clean water will be diverted, as appropriate, from the production area.
- Please provide a brief explanation/description of how clean water will be diverted below:

drainage ditches diverts water away
from poultry houses and litter storage
shed.

Facility Maintenance

The following maintenance activities will be performed at the facility (please indicate all that apply):

- ☒ • Regular inspections, maintenance, and repair of structures, equipment, and vehicles
- ☒ • Replacement and upgrade of structures, equipment, and vehicles as needed
- ☒ • Regular training of facility personnel in maintenance/housekeeping techniques
- ☒ • Maintenance of vegetation (i.e. mowing, weeding, seeding)
- _____ • Other (please describe in detail below, or attach additional pages as needed):

*If your facility has a separate Operation and Maintenance (O&M) Plan, please attach a copy.

RECEIVED

JUL 28 2015

**Waters Agricultural Laboratories, Inc.*****Manure/Sludge Analysis and Application Report******P.O. Box 382 * 257 Newton Highway * Camilla, Georgia 31730-0382 * phone: (229) 336-7216*****Ship To:****SHANE M GUY**

171 CARTER ROAD

CLEVELAND, TN 37323-

Grower: COOPERS BLAKE**SampleNumber 1****Lab Number: 42311MS****Type: CKN LITTER****Date Submitted: 08/18/2014****Report Date: 08/20/2014**

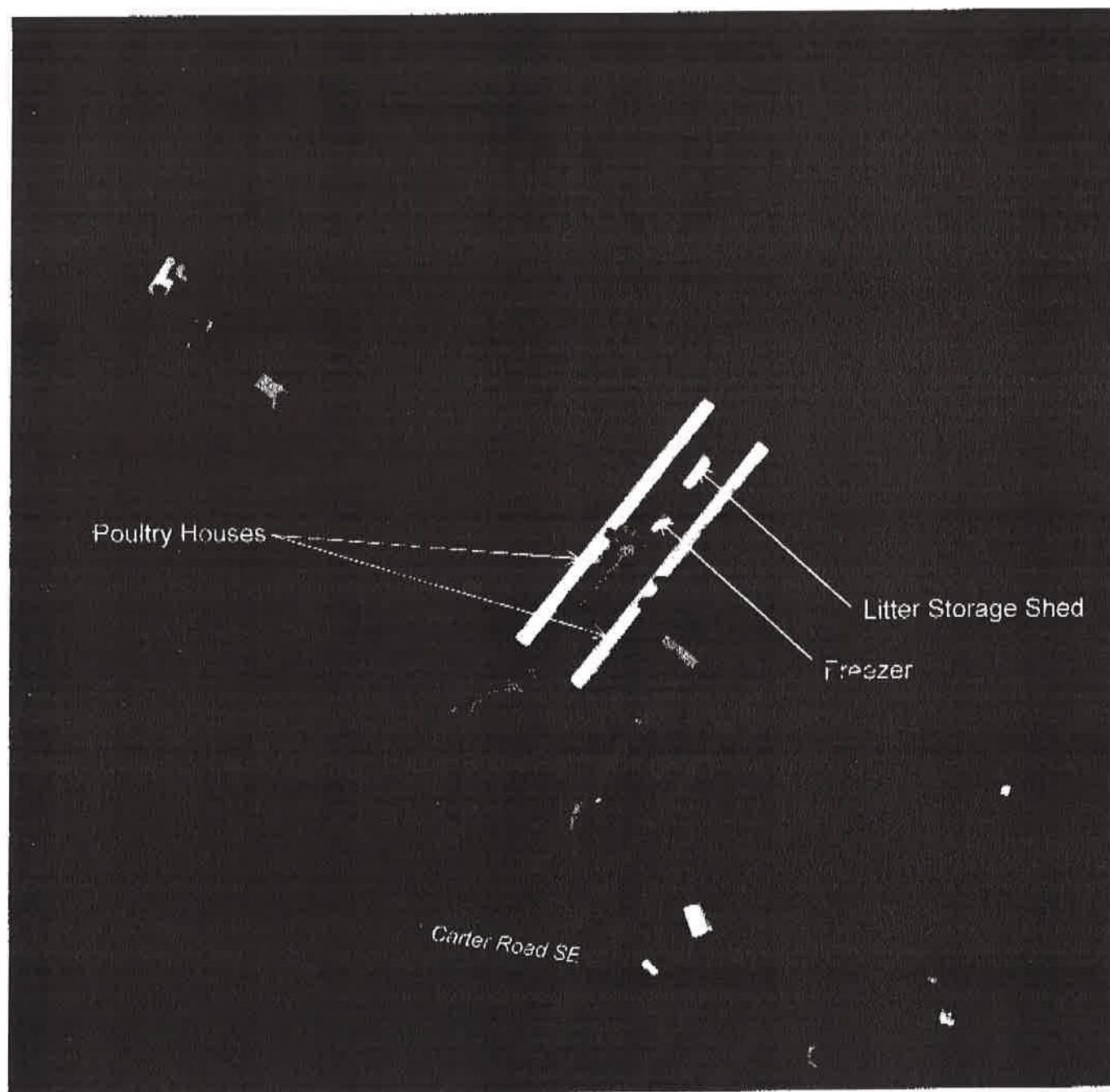
	Percent (%)	Pounds per Ton
Nitrogen - Total	2.56	51.2
P2O5 - Total	1.94	38.8
K2O - Total	2.61	52.2

Moisture	34.30 %	
----------	---------	--

Results Reported On: W=WET(AS RECEIVED)BASIS**Remarks**

This document may be reproduced only in its entirety. Waters Agricultural Laboratories has no control over the manner in which samples are taken, therefore, analysis is based solely on the sample as received. Lab liability is limited to the fee assessed on the referenced sample.

RECEIVED**JUL 28 2015**



Farm Name: Charles Luke Farm
Permit Number: SOPC00112

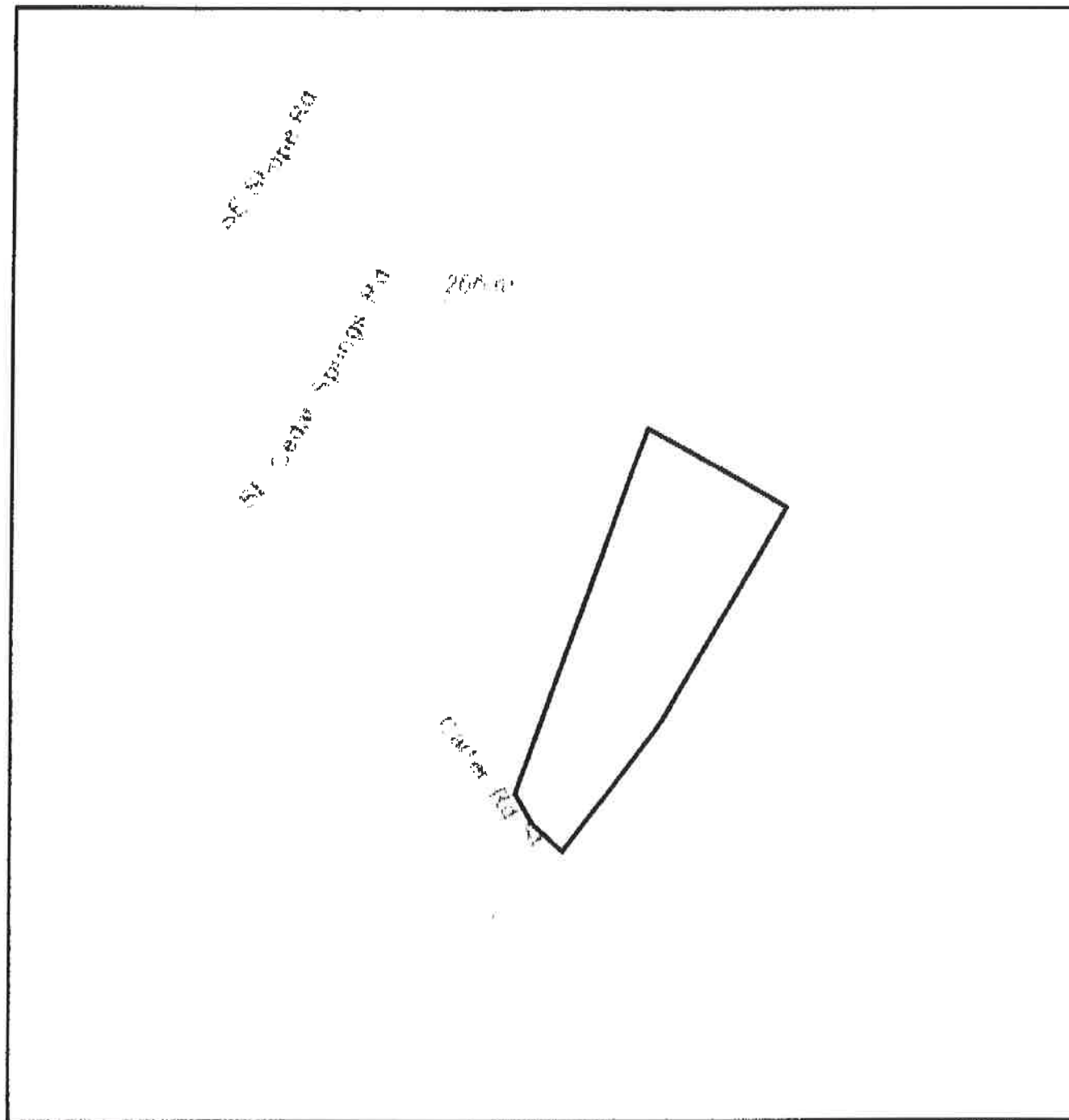


Legend

 Property boundary

RECEIVED

JUL 28 2015



Farm Name: Charles Luke Farm
Permit Number: SOPC00112



Legend

 Property boundary

RECEIVED

JUL 28 2015